BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Roads, Drains and Covering slab at Ver[illegible]nanna Layout 1st and 2nd Cross in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.**

			Estimate Cost:						2000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2 : Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 **Page No. 138 / Item No. 19.2 / PWD SR 2014-15**	Cum							
	For New Drain		1	145.00	1.00	0.90	130.50		
			1	159.00	1.00	0.90	143.10		
							273.60	105.84	**28958.00**
	Basic Rate	98.00							
	Area Weightage @8%	7.84							
	Total	**105.84**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2014-15**	Cum							
			1	145.00	1.00	0.15	21.75		
			1	159.00	1.00	0.15	23.85		
							45.60	4847.04	**221025.00**
	Basic Rate	4488.00							
	Area Weightage @ 8%	359.04							
	Total	**4847.04**							
3	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31/ PWD SR 2014-15**	Sqm							
			4	145.00		0.60	348.00		
			4	159.00		0.60	381.60		
							729.60	292.68	**213539.00**
	Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	**292.68**							

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2014-15**	Cum							
	Main Road Bottom		1	145.00	0.90	0.15	19.58		
			1	159.00	0.90	0.15	21.47		
	Side Walls		2	145.00	0.15	0.60	26.10		
			2	159.00	0.15	0.60	28.62		
							95.76	6065.28	**580811.00**
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
5	KSRB 4.9.1: **Providing mild steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 **Page No. 17 / Item No. 4.45 / PWD SR 2014-15**	Qtl							
	Consider 60 Kg/Cum		0.60	95.76			**57.46**	7975.80	**458258.00**
	Basic Rate	7385.00							
	Area Weightage 8%	590.80							
	Total	**7975.80**							
6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete7.5 cms thick **Page No. 25 / Item No. 5.31.1 / PWD SR 2014-15**	Sqm							
	For Covering Slab		1	145.00		0.90	130.50		
			1	159.00		0.90	143.10		
				304.00			**273.60**	642.60	**175815.00**
	Basic Rate	595.00							
	Area Weightage @ 8%	47.60							
	Total	**642.60**							
7	KSRB 5-9: Providing chamfering edges to stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 **Page No. 24 / Item No. 5.22 / PWD SR 2014-15**	m							
			507	3.00			**1521.00**	32.40	**49280.00**
	Basic Rate	30.00							

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	2.40							
	Total	**32.40**							
8	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5-1.13 **Page No. 24 / Item No. 5.18 / PWD SR 2014-15**	Sqm							
			1	145.00		0.90	130.50		
			1	159.00		0.90	143.10		
							273.60	851.04	**232845.00**
	Basic Rate	788.00							
	Area Weightage @ 8%	63.04							
	Total	**851.04**							
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km	Cum							
			Vide Item No. 1				**259.92**	73.57	**19122.00**
	Average weight of earth 1.28 tonne / kg for 2.00X1.28X2.00 = 5.12	5.12							
	PWD SR 2014-15 (P.130 / I.17.1) For loading and unloading	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	**73.57**							
10	Sub Total								**1979653.00**
11	Third Party Inspection Charges @ 1%								**19797.00**
12	Miscellaneous and other Charges	L/S							**550.00**
								Total	**2000000.00**

(Rs. Twenty Lakhs Only)

Administrative approval for Rs 20.00L Twenty Lakhs only accorded under head P-1771 registered as EE No: ... / ... Dt ... Subject to conditions contained enclosed memo. No: ... / ... Dt ...

AE/JE EE (BTP. Div.)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 This work included under 2014-15 T and F Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

ADMINISTRATIVELY SANCTIONED FOR Rs.....
Rupees Twenty 20.00 Lakhs Twenty Lakhs only
Under P-1771.

Assistant Engineer

Registered as EE ( ) No. 9
Subject to conditions contained in
enclosed memo EE ( ) No.
Dt. Estimate A/Sanctioned
No. 1073
dated 4-12-2014 Rs. 20.00 Lakhs

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

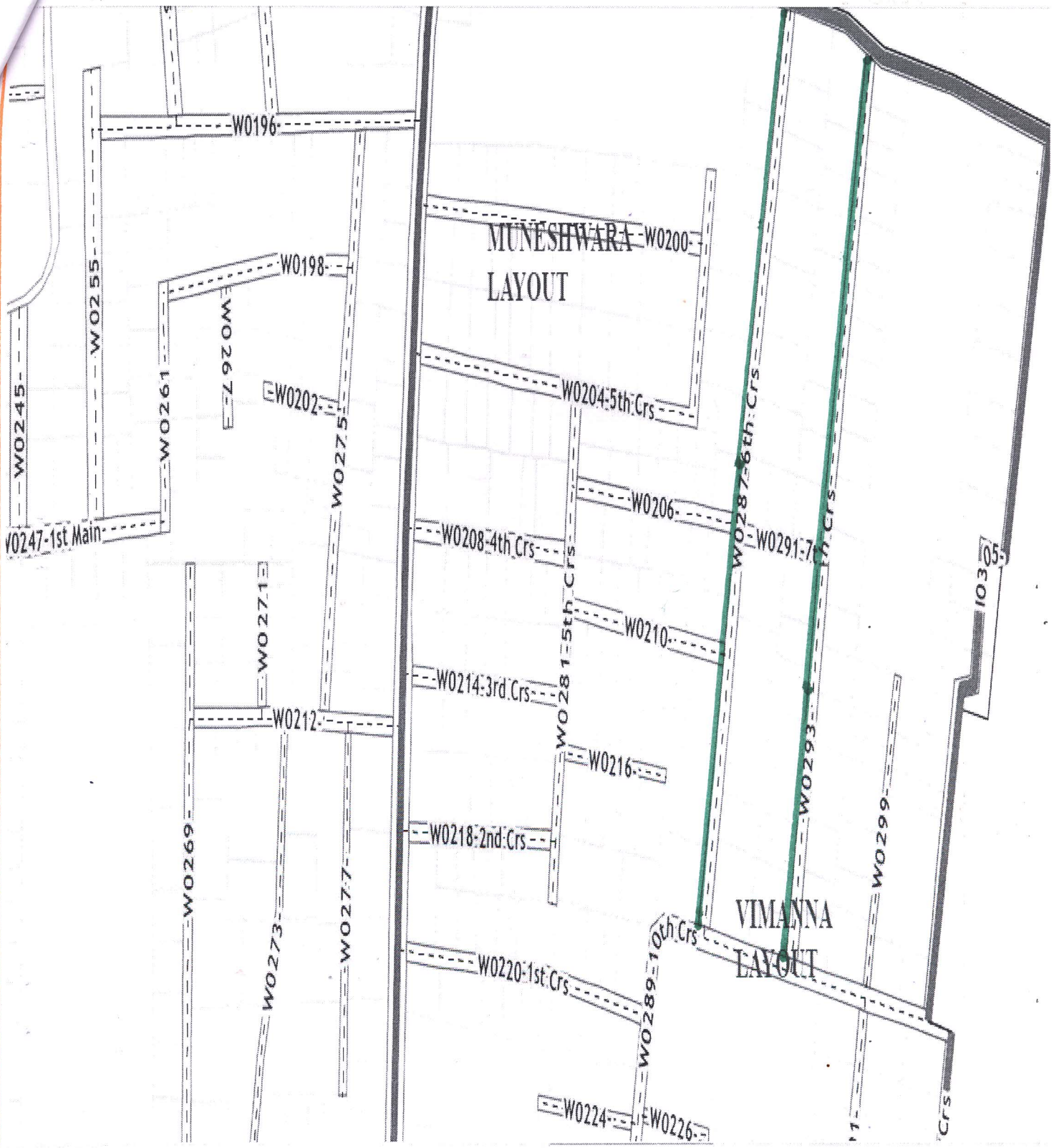
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Technical Sanction for Rs. 20.00 Lakhs Twenty Lakhs only
P-1771

Registered as EE No: 192 Dated 29/10/14 Subject to conditions contained enclosed memo.
No: TS/EE/192/14-15 Dt. 29/10/14

AE/JE EE (BTP.Div.)

ovements to Roads, Drains and Covering Slab at Vemmanna Layout 1st and
Cross in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.



Jadhav
AE

proposed drain

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97